

IN THE CLAIMS:

Please amend claims 1, 5, 7-13, 15, and 16, and cancel claims 2-4 as follows.

1. (Currently Amended) A method for providing location information, the method comprising:

signaling a request for a connection between user equipment and another party;

analyzing the requested connection;

detecting whether location information is required in association with the requested connection;

activating a process for determining information about a location of the user equipment;

communicating first location service information used in determining information about the location of the user equipment on a control plane between the user equipment and a communication system; and

communicating second location service information used in determining information about the location of the user equipment on a user plane between the user equipment and the communication system,

wherein the location information is provided in the communication system,

wherein the step of communicating first location service information further comprises requesting from the user equipment information about the location of the user equipment, and

wherein the requesting of supporting information by sending, in response to receiving said first location service information in the user equipment, second location service information from the user equipment to the communication system on the user plane.

2 - 4. (Cancelled)

5. (Currently Amended) A method for providing location information, the method comprising:

signaling a request for a connection between user equipment and another party;
analyzing the requested connection;
detecting whether location information is required in association with the requested connection;

activating a process for determining information about a location of the user equipment;

communicating first location service information used in determining information about the location of the user equipment on a control plane between the user equipment and a communication system;

communicating second location service information used in determining information about the location of the user equipment on a user plane between the user equipment and the communication system;

wherein the location information is provided in the communication system,
wherein the detecting comprises detecting by the user equipment that location
information is required in association with the requested connection, and

~~A method as claimed in claim 4, further comprising~~ requesting supporting
information by sending the second location service information from the user equipment
to the communication system on the user plane.

6. (Previously Presented) A method as claimed in claim 1, further comprising
sending to the user equipment a request for information supporting determination of
location information on the control plane in response to detection that the location
information is required in association with the requested connection.

7. (Currently Amended) A method as claimed in claim 1, wherein the ~~step of~~
analyzing comprises analyzing information associated with routing of the connection.

8. (Currently Amended) A method as claimed in claim 7, wherein the ~~step of~~
analyzing comprises verifying if a destination number of the connection satisfies a
predefined condition.

9. (Currently Amended) A method for providing location information, the
method comprising:

signaling a request for a connection between user equipment and another party;
analyzing the requested connection;
detecting whether location information is required in association with the
requested connection;
activating a process for determining information about a location of the user
equipment;
communicating first location service information used in determining information
about the location of the user equipment on a control plane between the user equipment
and a communication system;
communicating second location service information used in determining
information about the location of the user equipment on a user plane between the user
equipment and the communication system,
wherein the location information is provided in the communication system, and
~~A method as claimed in claim 1, further comprising~~ determining the location of
the user equipment by the user equipment and communicating information about the
determined location from the user equipment on the control plane.

10. (Currently Amended) A method as claimed in claim 1, wherein the ~~step of~~
communicating second location service information comprises communicating assistance
data on the user plane.

11. (Currently Amended) A method as claimed in claim 10, wherein the ~~step of~~ communicating second location service information further comprises communicating a request for assistance data on the user plane.

12. (Currently Amended) A method as claimed in claim 1, wherein the ~~step of~~ detecting further comprises detecting that the connection is for an emergency call.

13. (Currently Amended) A method as claimed in claim 1, wherein the ~~step of~~ communicating second location service information comprises communicating Global Positioning System assistance data.

14. (Previously Presented) A method as claimed in claim 1, further comprising detecting that the user equipment supports a satellite based positioning system.

15. (Currently Amended) A computer program embodied on a computer readable medium, said medium comprising program code configured to execute at least ~~one step of~~ an analyzing method for providing location information in a communication system, when the program code is run on a computer, ~~the steps of~~ the analyzing method comprising:

signaling a request for a connection between a user equipment and another party;

analyzing the requested connection;

detecting whether location information is required in association with the requested connection;

activating a process for determining information about a location of the user equipment;

communicating first location service information used in determining information about the location of the user equipment on a control plane between the user equipment and the communication system; and

communicating second location service information used in determining information about the location of the user equipment on a user plane between the user equipment and the communication system,

determining the location of the user equipment by the user equipment and communicating information about the determined location from the user equipment on the control plane.

16. (Currently Amended) An arrangement ~~for providing to provide~~ location information ~~in association with a communication system configured for communication of information relating to determination of a location of user equipment, the communication system~~ arrangement comprising:

a controller unit configured to detect if location information is required in association with a connection and to activate a process for determining information about

a location of user equipment in response to detection that information about the location of the user equipment is required; and

connection unit configured to provide a connection between the user equipment and another party, the connection unit being further configured to communicate first location service information used in determining information about the location of the user equipment on a control plane and second location service information used in determining information about the location of the user equipment on a user plane and communicating information about the determined location,

wherein the arrangement is configured to provide location information in association with the communication system configured for communication of information relating to determination of a location of user equipment.

17. (Previously Presented) An arrangement as claimed in claim 16, wherein the controller is provided in the user equipment.

18. (Previously Presented) An arrangement as claimed in claim 16, wherein the controller is provided in association with a location service entity connected to the communication system.

19. (Previously Presented) A arrangement as claimed in claim 16, wherein said second information comprises supporting information for the location determining process.

20. (Previously Presented) An arrangement as claimed in claim 16, wherein the controller is further configured to detect if the connection is for an emergency call.

21. (Previously Presented) An arrangement as claimed in claim 16, further comprising a first location service entity configured for control plane communications and a second location service entity configured for user plane communications.

22. (Previously Presented) An arrangement as claimed in claim 16, comprising a location service entity configured for user and control plane communications.

23. (Previously Presented) A user equipment comprising:
a controller configured to activate a process for determining information about a location of user equipment in response to detection that information about the location of the user equipment is required;
a location information processing entity configured to process information required by the location determining process; and

a transceiver configured to provide wireless communication of information required by the location determining process for communication of first location service information used in determining on a control plane and second location service information used determining information about the location of the user equipment on a user plane.

24. (Previously Presented) A user equipment as claimed in claim 23, wherein the user equipment is configured to detect if location information is required in association with a connection.

25. (Previously Presented) A node for a communication system configured for processing location information, the node comprising:

a controller configured to activate determination of information associated with a location of user equipment in response to detection that information about the location of the user equipment is required; and

connection unit configured to communicate first location service information used in determining information about the location of the user equipment on a control plane and second location service information used in determining information about the location of the user equipment on a user plane.

26. (Previously Presented) A controller node as claimed in claim 25, wherein the controller node comprises a location service server connected to the communication system.

27. (Previously Presented) A controller node as claimed in claim 25, wherein the controller node comprises a gateway.

28. (Previously Presented) A gateway for a communication system configured for processing location information, the gateway comprising:

a controller configured to activate determination of information associated with a location of user equipment in response to detection that information about the location of the user equipment is required; and

connection unit configured to communicate at least one of first location service information and second location service information used in determining information about the location of the user equipment with a user equipment that is configured to communicate said first location service information on a control plane and said second location service information on a user plane.

29. (Previously Presented) A user equipment comprising:

activating means for activating a process for determining information about a location of user equipment in response to detection that information about the location of the user equipment is required;

location information processing means for processing information required by the location determining process; and

communication means for communicating information required by the location determining process for communication of first location service information used in determining information about the location of the user equipment on a control plane and second location service information used in determining information about the location of the user equipment on a user plane.

30. (Previously Presented) A user equipment as claimed in claim 29, wherein the user equipment is configured to detect if location information is required in association with a connection.